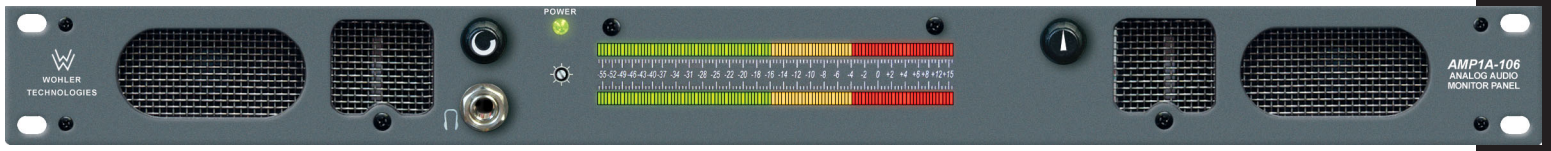
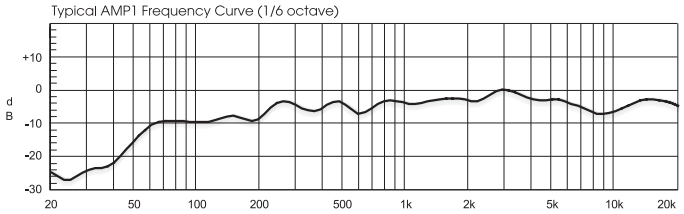
World Leader •In-Rack• Audio & Video Monitoring

January 16, 2004

WOHLER AMP1A-106

Premium Quality Audio Monitoring & Professional Level Metering - 1 Stereo Ch.





Features:

- Full Fidelity Audio Monitoring & Professional Level Metering in only 1U of Rack Space
- Two 106 Segment Ultra-High Resolution Tri-Color LED Level Meters
- LED Bargraphs Display Simultaneous VU & PPM
- 2 Balanced Analog Inputs (1 Stereo)
- 2 Unbalanced Analog Inputs (1 Stereo)
- Use Either Balanced or Unbalanced Inputs
- Powerful 98dB SPL at 2 feet (0.6m)
- Premium Quality Drivers & Power Amplifiers
- Extended Frequency Response and Low Distortion
- Focused Sound, Reduces Adjacent Bay Crosstalk
- Audible Indication of Phase/Polarity Problems
- Thorough Magnetic Shielding for Placement next to Video Monitors
- Headphone Jack, Mutes Speakers
- Blowout Proof Speakers
- Quick and Simple Installation

The AMP1A-106 provides self-powered, full-fidelity stereo audio monitoring of 2 analog channels (1 stereo channel) in the smallest rack space possible. This unit not only offers unrivaled Wohler sound quality, but also professional level metering, eliminating the need for extra equipment. The AMP1A-106 features two 106 segment ultra-high resolution LED level meters showing simultaneous VU & PPM for outstanding level-metering.

This unit contains four high performance transducers driven by three power amplifiers: one amplifier/driver combination handles midrange and high frequency information in stereo, while the second handles summed low frequency information below the 500 Hz crossover point.

The unique design provides optimally focused sound for operators in an Ultra Near Field (1 to 3 ft.) working environment and offers performance comparable to that of many separate monitor pairs, yet does so without the installation hassles, awkward speaker placements and "added-on" look. This provides for a higher SPL for the operator while reducing overall ambient sound and adjacent bay crosstalk.

Extended HF response reveals potential problems with audio whine or hiss and electronic rather than acoustic cancellation of bass frequencies provides positive audible detection of out-of-phase (reversed polarity) audio feeds. A headphone jack is provided on the front panel, usage automatically mutes the speakers. Output limiter circuits are incorporated to protect the speakers, and extensive magnetic shielding allows placement immediately adjacent to video monitors with no color impurities.

The AMP1A-106 is ideally suited for use in VTR bays, mobile production vehicles, teleconferencing installations, multimedia systems, satellite link and cable TV facilities, and on-air radio studios. Built and rigorously tested in the USA, the AMP1A-106 is backed by a strong warranty and a "Satisfaction Guaranteed" return policy.

Wohler

Audio Monitoring | Level Metering | Alarm Systems | Video Monitoring

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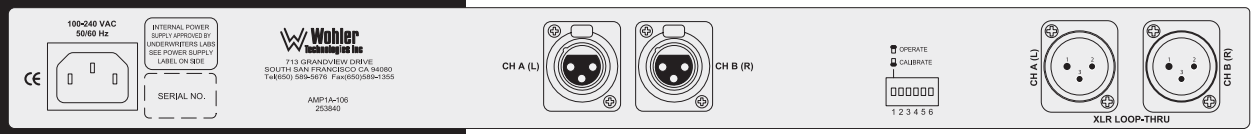
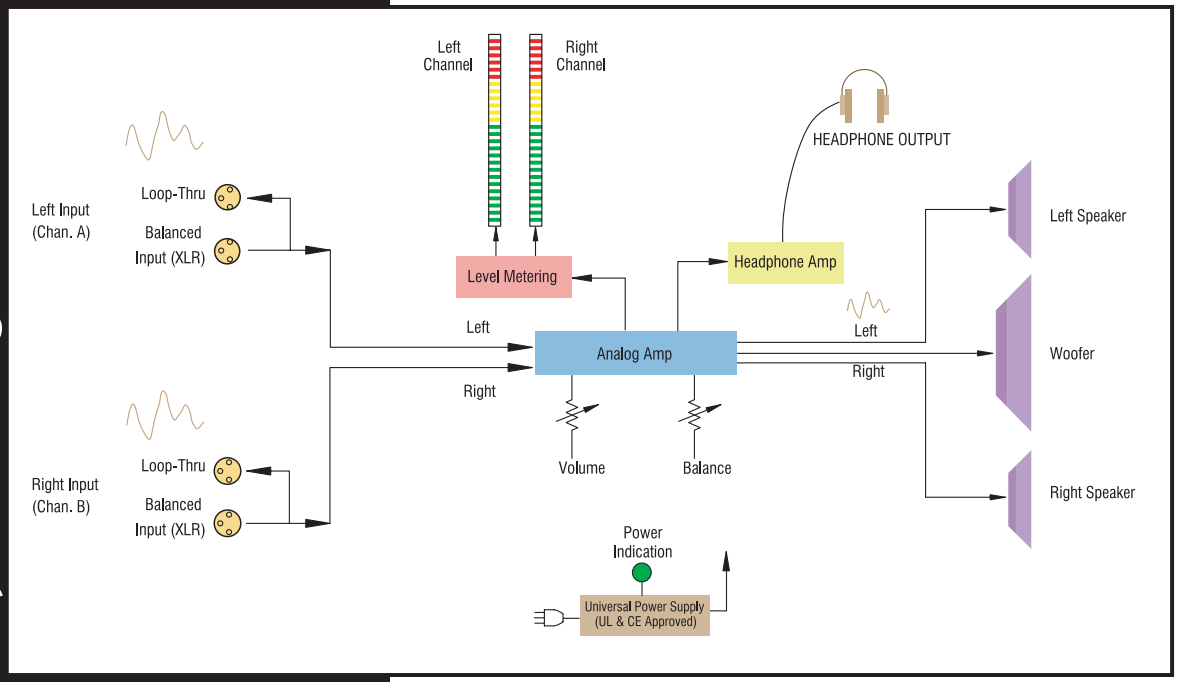
WOHLER AMP1A-106

Premium Quality Audio Monitoring & Professional Level Metering - 1 Stereo Channel

Rear Panel:



System Diagram:



Specifications:

Input	1 stereo balanced analog - XLR
Output	loop-through of balanced analog input - XLR
Level meters	2 x 106 segment bargraphs
Level meter scale	+16 to -56 dB
Level meter threshold	-6, 0, +4, +8 dBv: DIP switch selectable
Level meter dynamics	simultaneous VU & PPM
Midscale resolution	0.5 dB
Analog input impedance	>40 kOhms balanced 10 kOhms unbalanced
Peak acoustic output @ 2 feet	98dB SPL
Frequency response (1/6 octave)	80Hz - 20kHz (±5dB) (-10dB @ 50Hz, 22kHz)
Power output	RMS each side (2 Ohms) - 5W, 7W peak RMS dual WOOFER (4 Ohms) - 11W, 16W peak
Electrical distortion	<0.15% at any level below limit threshold
Acoustic distortion	8% or less worst case frequencies above 180Hz including cabinet resonance, typically <2%
Hum and noise	better than -68dB below full output
Magnetic shielding	<0.5 gauss any adjacent surface
Power consumption (AVG. MAX.)	30W
Dimensions (HxWxD)	1.75 x 19 x 12" (44.5 x 483 x 305mm)
Weight (approx.)	9lbs (4kg)
Power supply	100 to 240VAC, 50/60Hz universal input CE and UL approved

All specifications are subject to improvement

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